EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	88	("700"/$ "318"/$ "451"/ $).ccls. and circ$4 and center and radius and (virtual with axis)	US-PGPUB; USPAT	OR	ON	2011/02/13 21:10
L2	21	("700"/$ "318"/$ "451"/ $).ccls. and circ$4 and center and radius and (virtual with axis) and ((plurality multiple multi five "5") adj2 axis)	US-PGPUB; USPAT	OR	ON	2011/02/13 21:12
L3	12	("700"/$ "318"/$ "451"/ $).ccls. and ((circ$4 spher$7) with coordinate) and (virtual with axis) and ((plurality multiple multi five "5") adj3 axis)	US-PGPUB; USPAT	OR	ON	2011/02/13 21:17
L4	116	("700"/$ "318"/$ "451"/ $).ccls. and ((soft virtual) with axis) and ((plurality multiple multi five "5") adj3 axis)	US-PGPUB; USPAT	OR	ON	2011/02/13 21:26
L5	31	("700"/$ "318"/$ "451"/ $).ccls. and ((soft virtual) adj axis) and ((plurality multiple multi five "5") adj3 axis)	US-PGPUB; USPAT	OR	ON	2011/02/13 21:32
L6	7	(soft adj axis) and ((plurality multiple multi five "5") adj3 axis)	US-PGPUB; USPAT	OR	ON	2011/02/13 21:39
L7	60	(soft adj axis)	US-PGPUB; USPAT	OR	ON	2011/02/13 21:39
S1	808	(holder and parameter $7 and synchron$7 and virtual and axis and tool)	US-PGPUB; USPAT	OR	ON	2008/03/27 11:11
S2	2	(holder and parameter $7 and synchron$7 and virtual and axis and tool).clm.	US-PGPUB; USPAT	OR	ON	2008/03/27 11:11
S3	2707	tool and axis and (synchron$7 with axis)	US-PGPUB; USPAT	OR	ON	2008/03/27 11:45

S4	47	tool and axis and (synchron$7 with axis) and parameteriz$7	US-PGPUB; USPAT	OR	ON	2008/03/27 12:08
S5	14	tool and axis and (synchron$7 with axis) and (parameteriz$7 with axis)	US-PGPUB; USPAT	OR	ON	2008/03/27 12:21
S6	807	tool and axis and (synchron$7 with axis) and machining	US-PGPUB; USPAT	OR	ON	2008/03/27 12:39
S7	26	(synchron$7 with axis) and machining and ((multiaxis (multi adj axis)) with tool)	US-PGPUB; USPAT	OR	ON	2008/03/27 12:44
S8	31	(synchron$7 with (axis axes)) and machining and ((multiaxis (multi adj axis)) with tool)	US-PGPUB; USPAT	OR	ON	2008/03/27 13:17
S9	46	(synchron$7 with (axis axes)) and machining and (multiaxis (multi adj axis)) not S7	US-PGPUB; USPAT	OR	ON	2008/03/27 13:21
S10	1484	(synchron$7 with (axis axes)) and machining	US-PGPUB; USPAT	OR	ON	2008/03/27 14:06
S11	68	(synchron$7 with (axis axes)) and machining and ((computer with aided) $4CAD)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:15
S12	137	(synchron$7 with (axis axes)) and machining and ((computer with aided) $4CAD virtual)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:16
S13	70	(synchron$7 with (axis axes)) and machining and ((computer with aided) $4CAD virtual) and (((plurality plural multi multiple) with axis) multiaxis)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:24
S14	39	(synchron$7 with (axis axes) with position$4) and machining and ((computer with aided) $4CAD virtual) and (((plurality plural multi multiple) with axis) multiaxis)	US-PGPUB; USPAT	OR	ON	2008/03/27 14:30
S15	2	("5604677" | "6489741").PN.	US-PGPUB; USPAT	OR	ON	2008/03/27 17:24

S16	1	("5604677" | "6489741").PN. and synchron$9	US-PGPUB; USPAT	OR	ON	2008/03/27 17:25
S17	0	(at least one virtual axis which can be parameterized as a guiding axis for other axes and then serves only for the synchronization of these other axes, characterized in that on the data carrier or the electronic carrier signal there is at least one data structure which has a data field which allows the parameterization of the virtual axis as a guiding axis for other axes).clm.	US-PGPUB; USPAT	AND	ON	2008/03/27 19:17
S18	0	(at least one virtual axis which can be parameterized as a guiding axis for other axes and then serves only for the synchronization of these other axes, characterized in that on the data carrier the electronic carrier signal there is at least one data structure which has a data field which allows the parameterization of the virtual axis as a guiding axis for other axes)).clm.	US-PGPUB; USPAT	AND	ON	2008/03/27 19:18
S19	1	"4176396".pn.	US-PGPUB; USPAT	OR	ON	2008/07/25 13:04
S20	174	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:52
S21	5	(Trinary with Anlagenbau).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:53

S22	7	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in. and (machine adj tool)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 10:55
S23	13	(synchron$9 with (axis axes)) and (position$4 with tool same machining) and ((open and closed) with loop)	US-PGPUB; USPAT	OR	ON	2008/10/21 11:40
S24	35	(synchron$9 with (axis axes)) and machining and ((open and closed) with loop)	US-PGPUB; USPAT	OR	ON	2008/10/21 11:48
S25	22	S24 not S23	US-PGPUB; USPAT	OR	ON	2008/10/21 11:48
S26	37	(synchron$9 with (axis axes)) and machining and ((open and closed) with loop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 12:54
S27	24	(synchron$9 with (axis axes)) and machining and polynomial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:00
S28	19	(synchron$9 with (axis axes)) and machining and polynomial not S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:01
S29	999	(synchron$9 with (axis axes)) and machining and (("5" five fifth) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:09
S30	8	(synchron$9 with (axis axes)) and machining and (("5" five fifth) with (axis axes)) and polynomial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/21 13:21

S31	8	(synchron$9 with (axis axes)) and machining and (parameteriz$7 with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:29
S32	27	(synchron$9 with (axis axes)) and machining and (freely with select $5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:36
S33	12	(synchron$9 with (axis axes)) and machining and (freely with select $5 same (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:37
S34	15	S32 not S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 13:53
S35	28	(synchron$9 with (axis axes)) and machining and polynomial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:03
S36	1054	(synchron$9 with (axis axes)) and machining and (circle circular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:17
S37	79	(synchron$9 with (axis axes)) and machining and (circle circular) and ((virtual digital soft) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:21
S38	35	(synchron$9 with (axis axes)) and machining and (circle circular) and ((virtual soft) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:22

S39	325	(synchron$9 with (axis axes)) and machining and (circle circular) and ((virtual soft guid$4) with (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:22
S40	25	((synchron$9 with (axis axes)) same ((virtual soft) with (axis axes))) and machining	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:35
S41	12	((synchron$9 with (axis axes)) same ((virtual soft) with (axis axes))) and machining and (virtual adj (axis axes))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 14:51
S42	7	("5930142" "6868304" "7030586" "20040164698").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/07 16:06
S43	7	("4672549" | "4761891" | "5844191" | "5868051" | "6217409" | "6687566" | "6755748").PN.	US-PGPUB; USPAT	OR	ON	2010/03/04 14:49
S44	2	S43 and (grinding with (wheel and slide))	US-PGPUB; USPAT	OR	ON	2010/03/04 14:53
S45	424	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:00
S46	265	700/164.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S47	417	700/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01

S48	1845	700/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S49	326	700/186.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S50	316	700/187.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S51	1265	318/560.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S52	1511	318/567.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S53	1127	318/568.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:01
S54	6906	S45 S46 S47 S48 S49 S50 S51 S52 S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:03
S55	1230	("20" "21") and (grinding with (wheel and slide))	US-PGPUB; USPAT	OR	ON	2010/03/04 15:05
S56	186	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:05

S57	5	(Trinary with Anlagenbau).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/04 15:05
S58	2	(S56 S57) and (grinding with (wheel and slide))	US-PGPUB; USPAT	OR	ON	2010/03/04 15:05
S59	5	S54 and (polynomial with (6th sixth))	US-PGPUB; USPAT	OR	ON	2010/03/04 15:27
S60	424	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S61	265	700/164.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S62	417	700/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S63	1845	700/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S64	326	700/186.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S65	316	700/187.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28

S66	1265	318/560.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S67	1511	318/567.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S68	1127	318/568.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S69	6906	S60 S61 S62 S63 S64 S65 S66 S67 S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/05 10:28
S70	275	S69 and (circ$4 with radius)	US-PGPUB; USPAT	OR	ON	2010/03/05 10:28
S71	103	S69 and (circ$4 with radius) and (rotat$4 with direction)	US-PGPUB; USPAT	OR	ON	2010/03/05 10:34
S72	13	S69 and ((circ$4 with radius) same (rotat$4 with direction))	US-PGPUB; USPAT	OR	ON	2010/03/05 10:47
S73	5	S69 and ((circ$4 with radius) same (rotat$4 with direction) same (center centre))	US-PGPUB; USPAT	OR	ON	2010/03/05 10:54
S74	424	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S75	265	700/164.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05

S76	417	700/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S77	1846	700/182.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S78	326	700/186.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S79	316	700/187.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S80	1265	318/560.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S81	1511	318/567.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S82	1127	318/568.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S83	6907	S74 S75 S76 S77 S78 S79 S80 S81 S82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05

S84	14	S83 and (synchron$9 with (axis axes)) and (table with coordinate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:05
S85	14	S83 and (synchron$9 with (axis axes)) and (table with coordinate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:10
S86	10	S83 and (synchron$9 with (axis axes)) and (segment with (identif $9 ID number))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:19
S87	187	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:26
S88	5	(Trinary with Anlagenbau).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:26
S89	4	(S87 S88) and (synchron $9 with (axis axes)) and (virtual with axis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/08 21:26
S97	4	("5573449" | "6985793").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/15 14:01
S98	17	("4405829" "4981402" "6671569" "7643639" "6249102" "20010020228" "20030163431").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/11 15:47

S99	81	("700"/$ "318"/$).ccls. and (virtual adj axis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/11 15:51
S100	25	("4405829" "4981402" "6671569" "7643639" "6249102" "20010020228" "20030163431" "6704872" "20020023223" "5573449" "6985793").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/11 16:28
S101	11	("4405829" "4981402" "6671569" "7643639" "6249102" "20010020228" "20030163431" "6704872" "20020023223" "5573449" "6985793").pn.	US-PGPUB; USPAT	OR	ON	2011/02/11 16:28
S102	5	(Trinary with Anlagenbau).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/11 16:47
S103	5	(Trinary).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/11 16:47
S104	189	((Blumberg with (Manfred M)) (Dirrichs with (Stefan S)) (London with (Wolfgang W))).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/11 16:48
S105	4	(S104 S102) and (virtual with axis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/02/11 16:48

| S106 | 90 | ("700"/$ "318"/$ "451"/$).ccls. and (virtual adj axis) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/02/11 16:49 |
| S107 | 9 | S106 not S99 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/02/11 16:49 |

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	227	700/164.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/13 22:10
L9	835	700/182.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/13 22:11
L10	344	700/186.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/13 22:11
L11	2	(virtual and axis and guiding and synchronization and tool and mechanical).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/02/13 22:13
S90	206	700/164.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
S91	800	700/182.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
S92	310	700/187.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
S93	1268	S90 S91 S92	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:27
S94	0	(synchron$9 and axis and guiding and virtual and machining).as.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:30
S95	6	(synchron$9 and axis and guiding and virtual and machining).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/08 21:31

| S96 | 2 | (synchron$9 and axis and guiding and virtual and machining and tool and workpiece).clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/03/08 21:31 |

2/ 13/ 11 10:16:30 PM
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